



STATE OF ALASKA
DEPARTMENT OF FISH AND GAME

P.O. BOX 115525
JUNEAU, ALASKA 99811-5525

Permit #: SF2009-101

Expires: 8/30/2009

Collections Report/Samples Due: 9/30/2009

FISH RESOURCE PERMIT
(For Scientific/Educational Purposes)

This permit authorizes

Tom Miewalk (whose signature is required on page 2 for permit validation)
person

of Wild Salmon Center
agency or organization

at 721 NW Ninth Avenue-Suite 300, Portland, OR 97209
address

to conduct the following activities from June 15, 2009 to August 30, 2009 in accordance with AS 16.05.930:

Purpose: To map spawning/rearing habitat for Chinook/sockeye and to examine their population genetic structure in the Copper River Basin.

Location: Klutina and Tonsina River drainages

Species Collected: Chinook/coho/sockeye salmon

Method of Capture: Minnow trap, beach seine

Department Sample Requirements: The Department requires samples suitable for genetic analysis from 100 sockeye from each of the following stream mouths: Willow, Dust, Squirrel, Little Tonsina & Greyling and 100 Chinook salmon from each of the following stream mouths: Greyling, Dust, Little Tonsina, Willow, Squirrel, St. Anne, Mahlo, Manker, Hallett & Klutina (above lake) (**Stipulation #8**)

Final Disposition: ≤400 juveniles of each species may be captured, measured and released alive at the capture site.
≤1000 juvenile Chinook and ≤500 sockeye salmon may be sacrificed for genetic analysis.

-Continued on Back-

COLLECTIONS REPORT DUE September 30, 2009. The report, using a template furnished by ADF&G, shall include species, numbers, dates, and locations of collection (datum/GPS coordinates in the decimal degrees format (dd.ddddd)) and disposition, and if applicable, sex, age, and breeding condition, and lengths and weights of fish. *It must also include the date/time the local biologist was contacted for final authorization to carry out collecting activities.* A completion report (abstract, background, methods, data, analysis), if not submitted with the collection report described above, must be submitted to the department by: February 2010. Data from such reports are considered public information. The report shall also include other information as may be required under the permit stipulations section.

GENERAL CONDITIONS, EXCEPTIONS AND RESTRICTIONS

1. This permit must be carried by person(s) specified during approved activities who shall show it on request to persons authorized to enforce Alaska's fish and game laws. This permit is nontransferable and will be revoked or renewal denied by the Commissioner of Fish and Game if the permittee violates any of its conditions, exceptions or restrictions. No redelegation of authority may be allowed under this permit unless specifically noted.
2. No specimens taken under authority hereof may be sold or bartered. All specimens must be deposited in a public museum or a public scientific or educational institution unless otherwise stated herein. Subpermittees shall not retain possession of live animals or other specimens.
3. The permittee shall keep records of all activities conducted under authority of this permit, available for inspection at all reasonable hours upon request of any authorized state enforcement officer.
4. Permits will not be renewed until the department has received detailed reports, as specified above.
5. UNLESS SPECIFICALLY STATED HEREIN, THIS PERMIT DOES NOT AUTHORIZE the exportation of specimens or the taking of specimens in areas otherwise closed to hunting and fishing; without appropriate licenses required by state regulations; during closed seasons; or in any manner, by any means, at any time not permitted by those regulations.

Bel Pearson
Fish Resource Permit Coordinator
Division of Sport Fish

Robert Bantz
for Director
Division of Sport Fish

5-1-09
Date

Authorized Personnel: The following persons may perform collecting activities under terms of this permit:

Lee Benda, Allison Bidlack, Matthew Goslin, Tom Miewald, Gordon Reeves, Carla Somerville

Employees and volunteers under the direct supervision of, and in the presence of, one of the authorized personnel listed above may participate in collecting activities under terms of this permit.

Permit Stipulations:

- 1) The local Area Management Biologist (AMB), Mark Somerville (822-3309; mark.somerville@alaska.gov), Upper Copper/Upper Susitna Rivers must be notified prior to you engaging in any collecting activities. The time/date of this contact must be included in your collections report (using the "data submission form" furnished by ADF&G). This AMB has the right to specify methods for collecting, as well as limiting the collections of any species by number, time and location.
- 2) Any instance of >25% unintended collecting mortality requires sampling at a site to cease immediately and the AMB contacted.
- 3) Because the use of Aqui-S as a fish sedative is specifically prohibited by the FDA and MS-222 is prohibited from being used on any fish that may be eaten by humans for 21 days after treatment, the Division of Sport Fish position is that food grade clove oil, purchasable at grocery stores, is the most logical choice with the least concern for liability as a fish anesthesia for tagging and telemetry studies.
- 4) Each piece of unattended sampling gear must be; 1) labeled with the permittee's name, telephone number, and permit number, 2) securely tied to substrate, 3) placed in a location where they will not be easily noticed (e.g. under cut banks, in pools away from roads or trails), 4) allowed to soak no more than twenty-four hours at a time, 5) located with GPS coordinates, and 6) accounted for/ removed at the conclusion of sampling.
- 5) Salmon eggs used as bait in traps must either be; sterilized commercial eggs or, if raw, be disinfected prior to use. A 10-minute soak in 1/100 Betadine solution or some other iodophor disinfectant is adequate.
- 6) Gloves (cotton, etc.), boots, and collecting gear should be disinfected between systems to reduce the potential of pathogen transmission. A wash/rinse in 1/100 Betadine solution is adequate.
- 7) If new anadromous fish populations are found in permitted streams and rivers, the permit holder will work closely with ADF&G to see that information is included in the database for the *Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes*. Anadromous fish include *Oncorhynchus spp.*, Arctic char, Dolly Varden, sheefish, smelts, lamprey, whitefish, and sturgeon. Please direct questions to J. Johnson, 267-2337 or j.johnson@alaska.gov
- 8) You must contact Judy Berger (907-267-2175, judy.berger@alaska.gov) to obtain sampling instructions and sampling supplies prior to the start of the sampling period. She requests one-week notice prior to field deployment for scheduling time to assemble sampling supplies. Samples are required to be delivered to the Department by the sample due date listed in the heading of this permit.
- 9) Atlantic salmon and other non-native invasive aquatic species encountered must be killed. Contact the AMB (**Stipulation # 1**) immediately with species identification or description, capture or sighting location, number captured, size, and sex. Preserve/turn in the whole specimen to the nearest ADF&G office.
- 10) A copy of this permit, including any amendments, must be made available at all field collection sites and project sites for inspection upon request by a representative of the department or a law enforcement officer.
- 11) Issuance of this permit does not absolve the permittee from compliance in full with any and all other applicable federal, state, or local laws, regulations, or ordinances.
- 12) A report of collecting activities, referenced to this fish resource permit number, must be submitted to the Alaska Department of Fish and Game, Division of Sport Fish HQ, P.O. Box 115525, Juneau, AK 99811-5525, Attention: Bob Piorkowski (465-6109; Robert.Piorkowski@alaska.gov), and to the Biologist(s) listed under Stipulation #1 within 30 days after the expiration of this permit. This report must summarize the number of fish captured by date, by location (provide GPS coordinates and datum), and by species, and the fate of those fish. Fish length, weight, sex, and age data should be included if collected. A completion report (abstract/background/methods /data/analysis), if not submitted with the collection report described above, must be submitted to the department within six months of the expiration of the permit. Data from such reports are considered public information.

PERMIT VALIDATION requires permittee's signature agreeing to abide by permit conditions before beginning collecting activities:

Signature of Permittee

cc: Mark Somerville, Division of Sport Fish, Glennallen
Stew Grant, Division of Commercial Fisheries, Anchorage
Bert Lewis, Division of Commercial Fisheries, Cordova
Mac McLean, Division of Habitat, Fairbanks
Fish and Wildlife Protection, Palmer